



BUBT

BANGLADESH UNIVERSITY OF
BUSINESS AND TECHNOLOGY

Assignment

Assignment No : 02

Lab Final Question - 02

Course Code : CSE 121
Course Title : Object oriented Programming Language
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```

#include <iostream>

class Team {
protected:
    std::string name;

public:
    Team(const std::string& teamName) : name(teamName) {}

    virtual void play() {
        std::cout << "Playing as a team: " << name << std::endl;
    }
};

class Germany : public Team {
public:
    Germany() : Team("Germany") {}

    void play() override {
        std::cout << "Playing as Germany!" << std::endl;
    }
};

class Argentina : public Team {
public:
    Argentina() : Team("Argentina") {}

    void play() override {
        std::cout << "Playing as Argentina!" << std::endl;
    }
};

class Brasil : public Team {
public:
    Brasil() : Team("Brasil") {}

    void play() override {
        std::cout << "Playing as Brasil!" << std::endl;
    }
};

```

```
int main() {  
Team* teams[3];
```

```
teams[0] = new Germany();  
teams[1] = new Argentina();  
teams[2] = new Brasil();
```

```
for (int i = 0; i < 3; i++) {  
teams[i]->play();  
}
```

```
// Clean up the allocated memory  
for (int i = 0; i < 3; i++) {  
delete teams[i];  
}
```

```
return 0;  
}
```